Mango and DHIS 2

Mango is a performance monitoring and evaluation solution, incorporating powerful data collection and reporting tools – designed for sustainable operations in extreme environments.

The District Health Information System (DHIS 2) is a web-based, open-source, health management information system – used in 47 countries and 23 organizations across 4 continents. In some cases it is even used as the National Health Information system

Greenmash has integrated the DHIS 2 system into the Mango platform, at the application level. This allows the two systems to easily share data, as if part of one application.

How is Mango and DHIS 2 integrated?

Mango and DHIS 2 are integrated at the application level, meaning that the two applications interoperate – and are able to readily share data and functionality using the DHIS 2 API.

Mango uses predefined mapping to export data into DHIS 2. This allows any changes in either system, to be immediately reflected in the other without delay

A separate mapping layer is used to correctly match data points in both systems, before importing / exporting any data. This ensures that the data integrity between Mango and DHIS 2 remains intact during any exchanges.

The system dataflow looks like this:

Components used for Mango / DHIS 2 integration

1) DHIS 2 Mapping Module
Mango handles all data mapping internally – matching Mango surveys and questions with DHIS 2 forms and data points. This process is done automatically according to the schedule and / or in real-time.

2) DHIS 2 Integration Module
This module handles data exchange between Mango and DHIS 2. Importing / exporting data is a server-based process that is run according to the configured schedule. All data successfully exported from Mango will be updated with the unique DHIS 2 identifier.